MATERIAL SAFETY DATA SHEET

Alsan Flex 5000 EPDM Base

HMIS	PROTECTIVE CLOTHING	TRANSPORT OF DANGEROUS GOODS
1 HEALTH 2 FLAMMABILITY 0 REACTIVITY G PROTECTIVE EQUIPMENT		**Not regulated**

SECTION II. CHEMICAL PRODUCT AND COMPANY INFORMATION		
Product name:	Alsan Flex 5000 EPDM Base	
Use:	Roofing	
Manufacturer:	Soprema, Inc. 310 Quadral Drive Wadsworth, Ohio 44281 UNITED STATES	
Distributor:	Soprema, Inc. 310 Quadral Drive Wadsworth, Ohio 44281 UNITED STATES	
In case of emergency:	SOPREMA (8:00am to 5:00pm - Eastern time): CHEMTREC (USA) (24h.): Point Center:	(800) 356-3521 (800) 424-9300 (800) 222-1222

EMERGENCY OVERVIEW!!!

Caution! Combustible! Keep away from heat, sparks, flame and sources of ignition. Vapors may cause fire. Vapors may travel long distances to other areas and rooms away from work site. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and all other sources of ignition anywhere in the structure, dwelling or building during use and until all vapors are gone from work site and all areas away from the work site. Keep away from electrical outlets and switches. Beware of static electricity that may be generated by synthetic clothing and other sources.

SECTION II. COMPOSITION AND INFORMATION ON DANGEROUS INGREDIENTS			
Component	**CAS#**	**%**	**LD50 (mg/kg)**
Mineral spirits	8052-41-3	30-40	
Parachlorobenzotriflouride	98-56-6	25-35	Oral (rat)- >6.8 g/kg

SECTION III. POTENTIAL HEALTH EFFECTS

Effects of Short-Term (Acute) Exposure

Primary routes of exposure:
Inhalation x Skin contact x . Eye contact x . Skin absorption x Ingestion x

Emergency Overview: Caution! Combustible! Keep away from heat, sparks, flame and sources of ignition. Vapors may cause fire. Vapors may travel long distances to other areas and rooms away from work site. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and all other sources of ignition anywhere in the structure, dwelling or building during use and until all vapors are gone from work site and all areas away from the work site. Keep away from electrical outlets and switches. Beware of static electricity that may be generated by synthetic clothing and other sources.

Potential Health Effects: May cause eye, skin and respiratory tract irritation. Harmful if swallowed. Aspiration into lungs may cause pneumonia or death. Severe overexposure may cause convulsions, unconsciousness, and death.

SECTION IV. FIRST AID MEASURES

SKIN	Remove contaminated clothing, wash skin with large amounts of water and soap. Seek medical attention if irritation persists.
EYES	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes, remove contact lenses, if any, and seek medical attention if irritation persists.
INHALATION	Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, seek immediate medical attention.
INGESTION	DO NOT induce vomiting. Seek medical attention immediately.
NOTES TO PHYSICIAN	Call your local poison control center for further instructions

SECTION V. FIRE-FIGHTING MEASURES

Flash point	122° F
Flammable	No
Extinguishing media	Use carbon dioxide, dry powder or foam
Special fire fighting procedures	Self-contained respiratory protection should be provided for fire fighters fighting fires in buildings or confined areas. Storage containers exposed to fire should be kept cool with water spay to prevent pressure build-up. Be careful not to spray water in a straight stream may cause fire to spread. Stay away from heads of containers that have been exposed to intense heat or flame.
Unusual fire or explosion hazards	Vapors accumulations may flash and/or explode if ignited. Keep ignition sources, open flames etc., away from these fumes.
Hazardous combustion products:	Carbon dioxide, carbon monoxide and trace oxides of sulfur and/or nitrogen.

SECTION VI. ACCIDENTAL RELEASE MEASURES

Leak & Spill Procedure: Keep unnecessary people away, isolate hazard area and deny entry. Stay upwind, out of low areas, and ventilate closed spaces before entering. Extinguish possible sources of ignition. Dike area to contain spill and clean up by absorbing spill with sand, earth, or other noncombustible absorbent material and place in container where applicable. Don't flush into sewers or natural waterways. Dike far ahead of spill for later disposal and contain material as described above.

SECTION VII. HANDLING AND STORAGE

Handling:
Wear personal protective equipment. Store in a cool, dry ventilated area away from excessive heat, sparks and open flames. Avoid prolonged or repeated contact with skin and/or breathing of vapors when handling. Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Ground all equipment. Do not eat, drink or smoke in areas where material is used. Keep containers closed when not in use.
Storage:
Keep tightly closed when not in use. Store in a cool dry place. Store away from incompatible materials.

SECTION VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION	
SKIN	Chemical resistant boots, apron, etc, as necessary to prevent contamination of clothing and skin contact.
RESPIRATORY	A NIOSH/MSHA approved respirator above PEL or TLV, and/or an organic vapor respirator for vapors or mists.
EYES	Chemical goggles with side-shields
VENTILATION	Local exhaust: Recommended to minimize exposure. Mechanical (general): Recommended to minimize exposure.
WORK/HYGIENIC PRACTICES	Good personal hygiene practices should always be followed.

SECTION IX. PHYSICAL AND CHEMICAL PROPERTIES			
BOILING POINT	> 245°F	**SPECIFIC GRAVITY**	0.915
FREEZING POINT	Not available	**pH**	Not available
VAPOR PRESSURE (mmHg)	Not available	**ODOR THRESHOLD**	Not available
VAPOR DENSITY (Air = 1)	Not available	**COEFFICIENT OF WATER/OIL DISTRIBUTION**	Not available
SOLUBILITY IN WATER	Not available	**EVAPORATION RATE**	Not available
APPEARANCE/PHYSICAL STATE	Liquid	**ODOR**	Slight hydrocarbon
FORM	Liquid	**COLOR**	Light Gray

SECTION X. STABILITY AND REACTIVITY

STABILITY:
Stable

CONDITIONS TO AVOID (CONDITIONS OF REACTIVITY):
Exposure to excessive heat, open flames and sparks. Avoid conditions that favor the formation of excessive mists and/or fumes.

INCOMPATIBILITY:
Strong oxidizing agents and strong acids.

HAZARDOUS DECOMPOSTION PRODUCTS:
Thermal decomposition may produce carbon monoxide and carbon dioxide. Oxides of carbon when burned.

HAZARDOUS POLYMERIZATION:
Will not occur.

SECTION XI. TOXICOLOGICAL INFORMATION

Effects of Short-Term (Acute) Exposure

Acute: May cause eye and skin irritation. Harmful if swallowed. May cause nausea, weakness, muscle twitches, gastrointestinal irritation, diarrhea, unconsciousness, and death. Vapor concentration may cause headache, dizziness, irritation of the respiratory tract, stupor, depression of the central nervous system, watering of the eyes, and kidney effects.

Chronic: Reports have associated repeated and prolonged overexposure to solvents with neurological and other physiological damage. Repeated and prolonged skin contact may cause redness, irritation, and scaling of the skin. May cause skin irritation, anemia, bone marrow damage, liver damage, and jaundice.

Reproductive toxicity: Not available

SECTION XII. ECOLOGICAL INFORMATION

Aquatic Toxicity: Not available.

SECTION XIII. DISPOSAL CONSIDERATIONS

Waste disposal:
Dispose in accordance with local, state and federal environmental regulations.

SECTION XIV. TRANSPORTATION INFORMATION

Special shipping information: This product is not a hazardous material as defined by 49CFR when transported domestically by ground in containers of 119 gallon capacity or less.

The information provided is for domestic highway transportation only. This product may be regulated differently when shipped internationally or when shipped in other types of containers or by modes other than that addressed by this section of the MSDS.

SECTION XV. REGULATORY INFORMATION

TSCA Inventory Status:
Chemical components are listed on the TSCA inventory.

HMIS Classification: HEALTH 1, FLAMMABILITY 2, REACTIVITY 0

SECTION XVI. OTHER INFORMATION

Glossary:
ACGIH: American Conference of Governmental Industrial Hygienists
ANSI: American National Standards Institute
ASTM: American Society for Testing and Materials
CAS: Chemical Abstract Services
CFR: Code of Federal Regulations (United States)
CSA: Canadian Standardisation Association
DOT: Department of Transportation (United States)
DSL: Domestic Substances List (Canada)
EPA: Environmental Protection Agency (United States)
HMIS: Hazardous Material Information System
IARC: International Agency for Research on Cancer
LC50: (Lethal concentration50) Concentration of a substance in air that causes dead of 50% mortality of a defined animal population
LD50: (Lethal dose50) Single dose of a substance that, when administrated by a define route in an animal assay, is expected to cause the death of 50% of a defined animal population.
NFPA: National Fire Protection Association (United States)
NIOSH: National Institute for Occupational Safety and Health
NTP: National Toxicology Program
OSHA: Occupational Safety & Health Administration (United States)
PEL: Permissible Exposure Limit
RCRA: Resource Conservation and Recovery Act (United States)
RTECS: Registry of Toxic Effects of Chemical Substances
TDG: Transportation of Dangerous Goods
TLV: Threshold Limit Value
TWA: Time-weighted average
TSCA: Toxic Substances Control Act (United States)
WHMIS: Workplace Hazardous Materials Information System (Canada)

Reference:
Supplier MSDS

This MSDS has been prepared by: SOPREMA, INC.
For information: 800-543-3085

The Material Safety Data Sheets of SOPREMA are available on Internet at the following site: HTTP://WWW.SOPREMA.US

SECTION XVI. OTHER INFORMATION

Justification of the update:
New MSDS.

This MSDS contains all the information required by ANSI Z-400.1-1998 standard (United States), by regulation 29 CFR Part 1910.1200 of the Hazard Communication Standard of OSHA, and is in accordance with standard DORS/88-66 OF WHMIS Canada.

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